SELF-IMPLEMENTING ON-SITE CLEANUP AND DISPOSAL OF PCB REMEDIATION WASTE

AMERICAN BAG AND METAL COMPANY, INC. OFFSITE NYSDEC SITE NO. C734088A

WORK ASSIGNMENT NO. D007619-30

Prepared for:

New York State Department of Environmental Conservation

Albany, New York

Prepared by:

MACTEC Engineering and Consulting, P.C.
Portland, Maine

MACTEC: 3617137311

MARCH 2014

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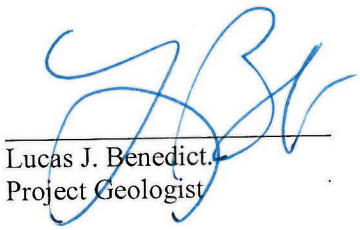
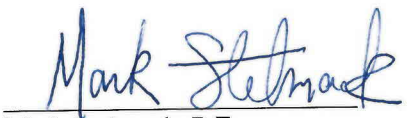


Lucas J. Benedict
Project Geologist

Approved by:



Mark Stelmack, P.E.
Project Manager

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

ABM	American Bag and Metal Company, Inc.
bgs	below ground surface
BCP	New York State Brownfield Cleanup Program
CDM	Camp Dresser and McKee
CFR	Code of Federal Regulations
FDGTI	Fluor Daniel GTI
FS	Feasibility Study
MACTEC	MACTEC Engineering and Consulting, P.C.
mg/Kg	milligrams per kilogram
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
PCBs	polychlorinated biphenyls
PSA	Preliminary Site Assessment
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
S&W	Stearns & Wheler, LLC
S&WR	Stearns & Wheler Redevelopment of North America, LLC
SCO	Soil Cleanup Objective
SCG	Standards, Criteria, and Guidance
SDPRYP	City of Syracuse Department of Parks, Recreation and Youth Programs
Site	American Bag and Metal Company, Inc. Off-Site, Syracuse, New York
TSCA	Toxic Substances Control Act

GLOSSARY OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

URS	URS Consultants, Inc.
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds

1.0 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health, has selected a remedy for remediation and disposal of polychlorinated biphenyl (PCB) contamination at the American Bag and Metal Company, Inc. Off-Site site (Site), a brownfield Site, located in Syracuse, Onondaga County, New York. The Site location is depicted on Figure 1-1 (Camp Dresser & McKee, Inc. [CDM], 2011b). The disposal of contaminants has resulted in threats to public health and the environment that would be addressed by the remedy. The presence of contaminants at this Site, as more fully described in this document, has contaminated surficial and subsurface soils.

The New York State Brownfield Cleanup Program (BCP) is a voluntary program. The goal of the BCP is to enhance private-sector cleanups of brownfield sites and to reduce development pressure on "greenfields." A brownfields site is real property, the redevelopment or reuse of which may be complicated by the presence or potential presence of a contaminant. Brownfields sites, determined by the Department to be "significant threat" sites, require investigation and/or remediation of "off-site" areas as appropriate.

PCB remediation waste is regulated by the United States Environmental Protection Agency (USEPA) under the Toxic Substances Control Act (TSCA) (specifically 40 Code of Federal Regulations [CFR] §761). To address the cleanup of PCB contaminated material present on the Site that exceeds the cleanup levels under the federal PCB regulations at 40 CFR §761.61(a)(4), MACTEC Engineering and Consulting, P.C. (MACTEC), under contract to the NYSDEC, has prepared this application in accordance with 40 CFR §761.61(a) *Self-implementing on-site cleanup and disposal of PCB remediation waste*, and 40 CFR §761.61(a)(3) *Notification and Certification.* This application is a summary of the information that can be found in various site-related reports and documents, and was prepared under the NYSDEC Work Assignment No. D007619-30 and in accordance with the April 2011 Superfund Standby Contract between MACTEC and the NYSDEC.

2.0 BACKGROUND AND HISTORY

2.1 LOCATION AND DESCRIPTION

The Site consists of three small parcels (Parcel A, Parcel B and Parcel C) immediately adjacent to and located to the west, north and east of the Former American Bag and Metal Company, Inc. (ABM) Brownfields Remediation Site (hereinafter referred to as the "Main Site"), located at 400 Spencer Street in the City of Syracuse, Onondaga County. The three Site parcels are depicted on Figure 2 (NYSDEC, 2012) and are described below:

- Parcel A (0.28 acres) exists to the west of the ABM Main Site, and is owned by the City of Syracuse Department of Parks, Recreation and Youth Programs (SDPRYP). A portion of the Onondaga Creekwalk, which leads to the Inner Harbor of Onondaga Lake, is adjacent to, and west of Parcel A. Parcel A is relatively flat and is covered with grass, trees and shrubs.
- Parcel B (0.04 acres) is a thin strip of land north of the ABM Main Site and south of a parking lot and a building owned by the SDPRYP. This parcel is also owned by the SDPRYP. Parcel B is relatively flat, and is also covered with grass, trees and shrubs, but to a lesser extent than Parcel A.
- Parcel C (0.11 acres) is the eastern most parcel located on the west bank of Onondaga Creek, adjacent to and east of the ABM Main Site. Parcel C is owned by New York State. Parcel C is thickly vegetated with trees and brush, and is steeply sloped down to Onondaga Creek.

The north and west parcels (Parcels A and B, respectively) are owned by the SDPRYP. Immediately west of Parcel A is a portion of the Onondaga Creekwalk, and west of the Creekwalk is the SDPRYP main office building. North of Parcel B are various buildings, such as garages and repair facilities owned by the SDPRYP. Parcels A and B are currently zoned commercial. The east parcel (Parcel C) is the west bank of Onondaga Creek adjacent to the ABM Main Site, and is green space. Parcel C is zoned commercial.

2.2 SITE HISTORY

Records indicate that the Site and the ABM Main Site were undeveloped in 1892. PB and H Molding briefly operated on the ABM Main Site property from 1905 to 1906, before ownership was transitioned to Harnisch Manufacturer of Interior Decorations. In 1940, Syracuse Benzol Co.,

Inc. Oil and Lubricants operated at the ABM Main Site until 1955. Onondaga Store Fixture Co., Inc. is listed as the owner of the ABM Main Site until 1965.

In 1965, American Bag and Metal Company, Inc. purchased the property located at 400 Spencer Street (ABM Main Site) and were in operation from 1965 to 2001. Operations at the ABM Main Site included acceptance of industrial scrap metal (primarily iron and steel), which included transformers on at least one occasion; once received, scrap metal was sorted and graded before storing and bailing onsite. The metals were then shipped off-site as scrap metal.

During the New York State Department of Transportation reconstruction of the Spencer Street Bridge, a soil sample was collected in December 1991 in the southeastern portion of the ABM Main Site. Analytical results indicated the soils at the ABM Main Site were contaminated with PCBs. Based upon documentation provided by ABM, the PCB contamination is possibly from transformers processed for scrap metal at the Main Site.

Findings from previous remedial investigations and remedial action on the ABM Main Site indicate PCB contaminated soil may have migrated from the ABM Main Site onto the Site and surrounding areas. The method of PCB contaminant deposition on the Site (particularly Parcel C) likely resulted from overland flow, historical tracking, and/or snow plowing activities on the Main Site.

3.0 CHARACTERIZATION

Based upon investigations conducted to date at the Site since 1992, the primary contaminants of concern are PCBs, specifically Aroclor 1260. PCB contamination has been detected in Site soils at concentrations up to 103 milligrams per kilogram (mg/Kg), in excess of Standards, Criteria, and Guidance (SCGs), as defined by Title 6 of the New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8[b]) for PCBs (1.0 mg/Kg). Elevated PCB levels were reported in soils collected from each of the three Site parcels (A, B and C), to depths of approximately 2 to 3 feet below ground surface (bgs). The majority of the Aroclor 1260 contamination was reported in Parcel A, with small areas of Parcel B and Parcel C also being impacted by PCB contamination. In general, the magnitude of Aroclor 1260 concentrations decreases vertically with depth and horizontally with distance from the Site boundary. Sample locations are shown on Figure 2-1 and Figure 2-2 (CDM, 2011b). A summary of PCB data obtained from soil samples collected at the Site since 1992 is provided in Table 3.1. PCBs were not detected in groundwater during the site investigation activities for the neighboring ABM Main Site, and therefore groundwater will not be addressed as part of the cleanup at the Site.

The following list summarizes investigations and actions conducted at or related to the Site that ultimately lead to the characterization of the Site under the BCP. The items on the list are provided in chronological order.

- In November of 1992, URS Consultants, Inc. (URS) completed an investigation that included the collection and analysis of soil from three surface sample locations on Parcel C [ABM-06, ABM-07 and ABM-09]) (URS, 1992).
- In October of 1993 Stearns & Wheler, LLC (S&W) completed a soil investigation that included the collection and analysis of soil from one surface sample location (SS-4), located on Parcel C in close proximity to sample locations ABM-07 and ABM-09 (S&W, 1993).
- In February of 1998 Fluor Daniel GTI (FDGTI) completed a Preliminary Site Assessment (PSA) that included the collection and immunoassay field screening of soil from six soil boring locations on Parcels A and C (B-7, B-15, B-17 to B-20) (FDGTI, 1998). Work performed as part of the PSA was conducted according to the 1997 PSA Work Plan (FDGTI, 1997).
- In December 2002, S&W Redevelopment (S&WR) completed a Site Investigation Report and Remedial Action Work Plan, which included the collection and analysis of

soil from three surface sample locations located on Parcels B and C (SS-1 to SS-3) (S&WR, 2002).

- In July 2004, S&W completed a Fish and Wildlife Impact Analysis for properties owned by ABM, including the Site (S&W, 2004).
- In 2011, a Remedial Investigation (RI) and a Feasibility Study (FS) were completed by CDM, under contract to the NYSDEC, for the Site (CDM, 2011a,b). Work performed as part of the RI/FS was conducted according to the 2010 CDM RI/FS Work Plan (CDM, 2010a).
- Following completion of the RI/FS, a Decision Document outlining the approved remedial approach for the Site was issued by the NYSDEC in 2012 (NYSDEC, 2012).

Detailed information related to the concentration and extent of contamination at the Site, including sample locations and corresponding analytical results, is contained in historical documents generated during Site characterization. These documents are included in Appendix A. Appendix A contains electronic copies of documents related to the Site investigation related activities (including sampling methodology and quality assurance practices) performed at the Site from 1992 to 2010. Appendix A also includes the 2012 Decision Document. These documents are also referenced in Section 9.0. Sampling performed by CDM for the NYSDEC was conducted in accordance with the program Quality Assurance Program Plan developed in 2007 (CDM, 2007). A copy of this plan, which provides detailed information related to field sampling methodology and quality assurance protocols during the 2010 RI, is provided in Appendix B.

4.0 REMEDIAL APPROACH

The characterization and evaluation of the nature and extent of contamination at the Site was focused on PCBs, which were identified as the primary site related contaminant. Based on analytical results from historical investigations conducted on Parcels A, B and C of the Site, and the criteria identified for consideration during the evaluation of alternatives listed in the 2011 CDM FS, the NYSDEC issued the Decision Document in 2012 identifying the selected remedial approach as Soil Alternative 2A, which includes the excavation and off-site disposal of approximately 1,200 cubic yards of contaminated soil at a permitted facility.

On-Site soils which exceed site-specific soil cleanup objectives (SCOs) will be excavated and transported off-site for disposal. The SCOs are Restricted Residential (for Parcels A and B) and Protection of Ecological Resources (for Parcel C) as defined by 6 NYCRR Part 375-6.8[b] for PCBs (1.0 mg/Kg in both instances). Figures 3-4 and 3-5 (CDM, 2011b) illustrate the extent of PCB contamination exceeding 1.0 mg/Kg in the shallow soil (0-2 inches) and in soils greater than 2 feet bgs.

The extent of on-Site areas contaminated with PCBs and intended for excavation and off-Site transport of remediation waste as part of the selected remedy are shown on Figure 7-1 (CDM, 2011b). Additional information on the selected remedy can be found in the 2012 Decision Document, included in Appendix A. Green remediation principles and techniques will be implemented to the extent feasible during implementation of the remedy in accordance with DER-31. The remedial contractor will be responsible for outlining the means and methods to implement the selected remedy.

6.0 WASTE MANAGEMENT AND DISPOSAL

Excavated materials will be either temporarily stockpiled in a lined and bermed area, or directly loaded into roll off containers or trucks pending off-site disposal at a treatment, storage, and disposal facility permitted to receive PCB remediation waste. Soil with PCB concentrations ≥50 mg/Kg shall be disposed of in a hazardous waste landfill permitted by USEPA under Section 3004 of the Resource Conservation and Recovery Act (RCRA), or by a facility authorized by the State under Section 3006 of RCRA. For soil with PCB concentrations less than 50 part per million, disposal will occur a based on the following criteria:

- A facility permitted, licensed, or registered by a State to manage municipal solid waste subject to 40 CFR part 258.
- A facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR parts 257.5 through 257.30, as applicable.
- A hazardous waste landfill permitted by USEPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.

Small equipment and hand tools will be decontaminated in accordance with 40 CFR 761.79(c)(2); waste material and personal protective equipment generated during decontamination activities will be handled in accordance with 40 CFR 761.79(g). Per 40 CFR 761.79(h), MACTEC proposes that alternative decontamination procedures be implemented at the Site for large equipment contacting PCB contaminated soils. The request for approval of alternate decontamination procedures is provided in Appendix D.

7.0 SITE RESTORATION

Subsequent to soil removal efforts, Site restoration activities will include the backfilling of on-Site excavations to match existing grade and promote drainage. The on- Site excavation areas depicted on Figure 7-1 (CDM, 2011b) will be backfilled with common fill and an uppermost 6-inch topsoil layer. Clean fill meeting the Unrestricted Use requirements in Appendix 5 of DER-10 will be brought in to replace the excavated soil and establish the design grades at the Site. Backfilled areas would be seeded with grass to stabilize soil.

Restoration of Parcel C will use natural steam bank restoration techniques. Vegetated areas on Parcel C adjacent to Onondaga Creek that are currently vegetated will be reestablished. These areas will be restored with topsoil and a combination of native trees and application of riparian and upland local seed mixtures, where applicable. Remedial and restoration work will comply with the substantive requirements of Part 608.

8.0 NOTIFICATION AND CERTIFICATION

Upon receipt of approval of this cleanup plan under 40 CFR §761.61(a) from the USEPA Region 2 coordinator, the NYSDEC will provide written notification to federal, state, and local authorities prior to initiating remedial activities.

The proposed remedial action is tentatively slated for late spring/early summer 2014. The final schedule may be subject to change due to weather conditions and timing of local permit approvals, where applicable. Upon acceptance of this work plan, the NYSDEC will provide a more detailed schedule to the USEPA.

In accordance with 40 CFR §761.61(a)(3), this notification will be provided to:

Ms. Judith A. Enck
Regional Administrator
United States Environmental Protection Agency
290 Broadway, 26th Floor
New York, New York 10007-1866

In addition, copies of this notification will be provided to:

Dr. James S. Haklar, Ph.D., P.E.
Regional PCB Coordinator / PCB Disposal
United States Environmental Protection Agency
2890 Woodbridge Avenue
Edison, New Jersey 08837-3679

Mr. Jeffrey E. Trad, P.E.
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Ken Towsley
Director of Code Enforcement
201 East Washington St.
City Hall Commons Room 301
Syracuse, New York 13202

As required under 40 CFR 761.61 (a)(3)(E) a signed certification for the remediation of bulk PCB remediation waste is provided in Appendix E.

9.0 REFERENCES

Camp Dresser & McKee, Inc. (CDM). 2007. CDM Generic Quality Assurance Project Plan (QAPP) For NYSDEC Standby Contract No. D-004437. May.

Camp Dresser & McKee, Inc. (CDM). 2010a. Work Plan, Remedial Investigation/Feasibility Study, American Bag and Metal Company (Site No.: C734088A), Syracuse, Onondaga, County, New York. May.

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Stearns & Wheler, LLC (S&W), 2004. Fish and Wildlife Resources Impact Analysis, American Bag & Metal Site, Syracuse, NY. July.

URS Consultants, Inc (URS), 1992. HWARA D005711 (CIN 0169) - Spencer Street Bridge Over Onondaga Creek, PN 3751.11 - PCB Sample Grid Results 1992, November

TABLE

FIGURES

TABLE 3.1
Soil Analytical Results Summary - PCB Concentrations Above SCGs

Sample Location ID	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Parameter*	Result (mg/Kg)
Parcel A					
B-7	B-7 (0-0.5)	09-Oct-97	0-0.5'	PCBs (on-Site)	**>10 X <50**
B-7	B-7 (0.5-2.5)	09-Oct-97	0.5-2.5'	PCBs (on-Site)	**>1X<10**
B-7	B-7 (2.5-3.5)	09-Oct-97	2.5-3.5'	PCBs (on-Site)	**1**
B-15	B-15 (0-0.5)	15-Oct-97	0-0.5'	PCBs (on-Site)	**>50**
B-17	B-17 (0-0.5)	15-Oct-97	0-0.5'	PCBs (on-Site)	**>1 X <10**
B-18	B-18 (0-0.5)	15-Oct-97	0-0.5'	PCBs (on-Site)	**>50**
B-18	B-18 (0.5-2.5)	15-Oct-97	0.5-2.5'	PCBs (on-Site)	**>10 X <50**
B-18	B-18 (2.5-4.5)	15-Oct-97	2.5-4.5'	PCBs (on-Site)	**>1 X <10**
B-18	B-18 (3.5-4.5)	15-Oct-97	4.5-6.5'	PCBs (on-Site)	**>10 X <50**
B-19	B-19 (0-0.5)	15-Oct-97	0-0.5'	PCBs (on-Site)	**>1 X <10**
B-19	B-19 (0.5-2.5)	15-Oct-97	0.5-2.5'	PCBs (on-Site)	<1
B-19	B-19 (2.5-4.5)	15-Oct-97	2.5-4.5'	PCBs (on-Site)	<1
B-20	B-20 (0-0.5)	15-Oct-97	0-0.5'	PCBs (on-Site)	<1
A-1	A-1 (0-2")	26-May-10	0-0.2'	PCBs (total)	**1.1 J**
A-1	A-1 (2')	26-May-10	2'	PCBs (total)	**19 J**
A-2	A-2 (0-2")	26-May-10	0-0.2'	PCBs (total)	**11 J**
A-2	A-2 (2')	26-May-10	2'	PCBs (total)	**4 J**
A-3	A-3 (0-2")	25-May-10	0-0.2'	PCBs (total)	**13**
A-3	A-3 (2')	25-May-10	2'	PCBs (total)	0.11 J
A-4	A-4 (0-2")	26-May-10	0-0.2'	PCBs (total)	0.77J
A-4	A-4 (2')	26-May-10	2'	PCBs (total)	0.052 J
A-5	A-5 (0-2")	26-May-10	0-0.2'	PCBs (total)	**1.6 J**
A-5	A-5 (2')	26-May-10	2'	PCBs (total)	0.025 J
A-6	A-6 (0-2")	26-May-10	0-0.2'	PCBs (total)	**1.2 J**
A-6	A-6 (2')	26-May-10	2'	PCBs (total)	0.073 J
A-7	A-7 (0-2")	26-May-10	0-0.2'	PCBs (total)	**5.2**
A-8	A-8 (0-2")	25-May-10	0-0.2'	PCBs (total)	**1.7**
A-9	A-9 (0-2")	25-May-10	0-0.2'	PCBs (total)	**8.5**
A-10	A-10 (0-2")	26-May-10	0-0.2'	PCBs (total)	**2.3 J**
A-11	A-11 (0-2")	26-May-10	0-0.2'	PCBs (total)	**2.2 J**
A-11	A-11 (2')	26-May-10	2'	PCBs (total)	**17 J**
A-1	SB-A-1 (24-36")-R2	15-Dec-10	2-3'	PCBs (total)	**4.8 D**
A-2	SB-A-2 (24-36")-R2	15-Dec-10	2-3'	PCBs (total)	0.3 J
A-7	SB-A-7 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	0.019 U
A-8	SB-A-8 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	0.014 J
A-9	SB-A-9 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	0.013 J
A-10	SB-A-10 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	0.019 U
A-11	SB-A-11 (24-36")-R2	15-Dec-10	2-3'	PCBs (total)	0.61 J
A-12	SB-A-12 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	**7.1 D**
A-12	SB-A-12 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	**1.5 D**
A-13	SB-A-13 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	0.018 J
A-13	SB-A-13 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	0.22 J
A-14	SB-A-14 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	**10 D**
A-14	SB-A-14 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	**4.2 D**
A-15	SB-A-15 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	**1.3 D**
A-15	SB-A-15 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	**1.4 D**
A-16	SB-A-16 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	**1.2 D**
A-16	SB-A-16 (20-24")R2	15-Dec-10	1.7-2.0'	PCBs (total)	**3.7 D**

TABLE 3.1
Soil Analytical Results Summary - PCB Concentrations Above SCGs

Sample Location ID	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Parameter*	Result (mg/Kg)
Parcel A (continued)					
A-17	SB-A-17 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	**38 D**
A-17	SB-A-17 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	0.15 J
A-18	SB-A-18 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	**1.8 D**
A-18	SB-A-18 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	0.019 J
A-19	SB-A-19 (0-2")-R2	15-Dec-10	0-0.2'	PCBs (total)	0.73
A-19	SB-A-19 (20-24")-R2	15-Dec-10	1.7-2.0'	PCBs (total)	**2.8**
A-20	SB-A-20 (0-2")-R2	14-Dec-10	0-0.2'	PCBs (total)	0.3
A-21	SB-A-21 (0-2")-R2	14-Dec-10	0-0.2'	PCBs (total)	0.3
A-22	SB-A-22 (0-2")-R2	14-Dec-10	0-0.2'	PCBs (total)	0.22
A-23	SB-A-23 (0-2")-R2	14-Dec-10	0-0.2'	PCBs (total)	0.14
A-24	SB-A-24 (0-2")-R2	14-Dec-10	0-0.2'	PCBs (total)	0.14
A-25	SB-A-25 (0-2")-R2	14-Dec-10	0-0.2'	PCBs (total)	0.38
Parcel B					
B-1	B-1 (0-2")	25-May-10	0-0.2'	PCBs (total)	0.021 U
B-2	B-2 (0-2")	25-May-10	0-0.2'	PCBs (total)	0.025 U
B-2	B-2 (2')	25-May-10	2'	PCBs (total)	0.91
B-3	B-3 (0-2")	25-May-10	0-0.2'	PCBs (total)	0.024 U
B-3	B-3 (2')	25-May-10	2'	PCBs (total)	0.064
B-4	B-4 (0-2")	25-May-10	0-0.2'	PCBs (total)	0.078 J
B-5	B-5 (0-2")	25-May-10	0-0.2'	PCBs (total)	0.018 J
B-5	B-5 (2')	25-May-10	2'	PCBs (total)	0.062
B-6	B-6 (0-2")	25-May-10	0-0.2'	PCBs (total)	**2.6**
B-7	B-7 (0-2")	25-May-10	0-0.2'	PCBs (total)	0.17
B-7	B-7 (2')	25-May-10	0-0.2'	PCBs (total)	**1.2**
Parcel C					
ABM-06	ABM-06 (0-6")	14-Oct-92	0.0-0.5'	PCBs (total)	**5.7**
ABM-06	ABM-06 (6-12")	14-Oct-92	0.5-1.0'	PCBs (total)	**1.5**
ABM-06	ABM-06 (12-18")	14-Oct-92	1.0-1.5'	PCBs (total)	**2.3**
ABM-07	ABM-07 (0-6")	14-Oct-92	0.0-0.5'	PCBs (total)	**103**
ABM-07	ABM-07 (6-12")	14-Oct-92	0.5-1.0'	PCBs (total)	**1.3**
ABM-07	ABM-07 (12-18")	14-Oct-92	1.0-1.5'	PCBs (total)	**49.4**
ABM-09	ABM-09 (0-6")	14-Oct-92	0.0-0.5'	PCBs (total)	**52.7**
ABM-09	ABM-09 (6-12")	14-Oct-92	0.5-1.0'	PCBs (total)	**66.1**
ABM-09	ABM-09 (12-18")	14-Oct-92	1.0-1.5'	PCBs (total)	**35.1**
SS-4	SS-4A	18-Aug-93	0.0-0.5'	PCBs (total)	**37**
SS-4	SS-4B	18-Aug-93	0.5-1.0'	PCBs (total)	**8.7**
SS-4	SS-4C	18-Aug-93	1.0-1.5'	PCBs (total)	**11**
C-1	C-1 (0-6")	24-May-10	0-0.2'	PCBs (total)	0.025 U
C-1	C-1 (2')	24-May-10	2'	PCBs (total)	**3.7 J**
C-2	C-2 (0-6")	24-May-10	0-0.2'	PCBs (total)	**1.8 J**
C-2	C-2 (2')	24-May-10	2'	PCBs (total)	0.18 J
C-3	C-3 (0-6")	24-May-10	0-0.2'	PCBs (total)	0.066 J
C-3	C-3 (2')	24-May-10	2'	PCBs (total)	**1.5 J**
C-4	C-4 (0-6")	24-May-10	0-0.2'	PCBs (total)	0.16 J
C-4	C-4 (2')	24-May-10	2'	PCBs (total)	0.021 UJ
C-5	C-5 (0-6")	24-May-10	0-0.2'	PCBs (total)	**8.5 J**
C-5	C-5 (2')	24-May-10	2'	PCBs (total)	**7 J**
C-6	C-6 (0-6")	24-May-10	0-0.2'	PCBs (total)	0.019 J

TABLE 3.1
Soil Analytical Results Summary - PCB Concentrations Above SCGs

Sample Location ID	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Parameter*	Result (mg/Kg)
Parcel C (continued)					
C-6	C-6 (2')	24-May-10	2'	PCBs (total)	0.021 UJ
C-7	C-7 (0-6")	24-May-10	0-0.2'	PCBs (total)	0.022 U
C-7	C-7 (2')	24-May-10	2'	PCBs (total)	0.022 U
C-8	C-8 (0-6")	25-May-10	0-0.2'	PCBs (total)	0.098 J
C-8	C-8 (2')	25-May-10	2'	PCBs (total)	0.02 UJ
C-9	C-9 (0-6")	24-May-10	0-0.2'	PCBs (total)	0.017 J
C-9	C-9 (2')	24-May-10	2'	PCBs (total)	0.021 U
C-10	C-10 (0-6")	25-May-10	0-0.2'	PCBs (total)	0.088 J
C-10	C-10 (2')	25-May-10	2'	PCBs (total)	0.022 UJ
C-11	C-11 (0-6")	24-May-10	0-0.2'	PCBs (total)	0.024 U
C-11	C-11 (2')	24-May-10	2'	PCBs (total)	0.005 U
C-12	C-16 (0-6")	25-May-10	0-0.2'	PCBs (total)	0.025 UJ
C-12	C-12 (2')	25-May-10	2'	PCBs (total)	0.018 J

Notes:
PCBs = polychlorinated biphenyls
SCO = Site cleanup objectives; SCO for soil samples ≥ 1.0 mg/Kg
* = PCB (on-Site) samples analyzed using immunoassay kits.
Results reported in milligrams per kilogram (mg/Kg)
Sample Depth in feet (ft) below ground surface (bgs)
Qualifiers:
U = Not detected greater than the reporting limit; J = Estimated value; D = Diluted
Bold-faced values ≥ 1.0 mg/Kg **Bold-faced/Shaded values ≥ 50.0 mg/Kg**